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PATENT & TRADEMARK OFFICE



METHOD AND APPARATUS FOR MODIFYING TEMPORAL ADDRESSES

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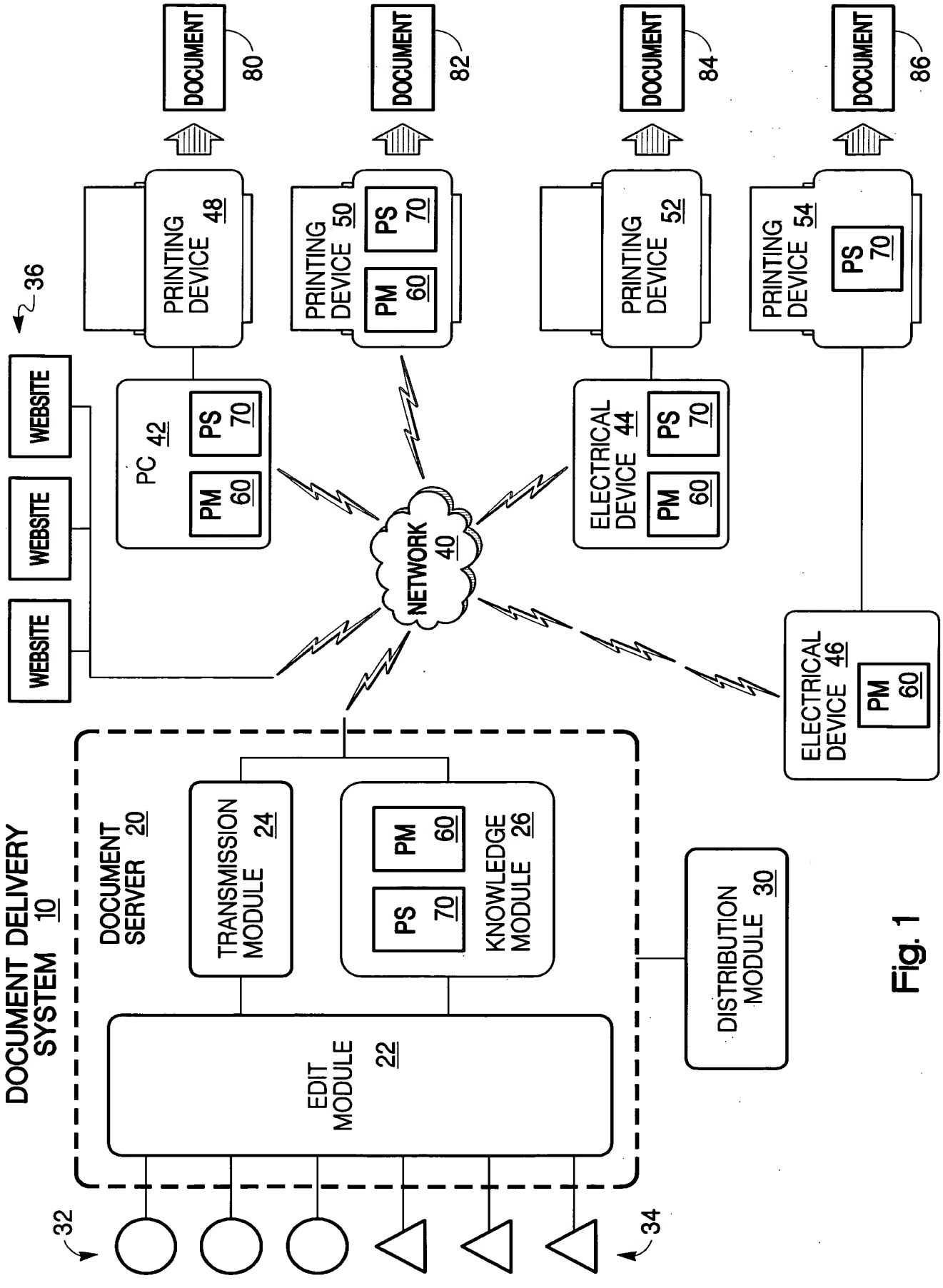



Fig. 1

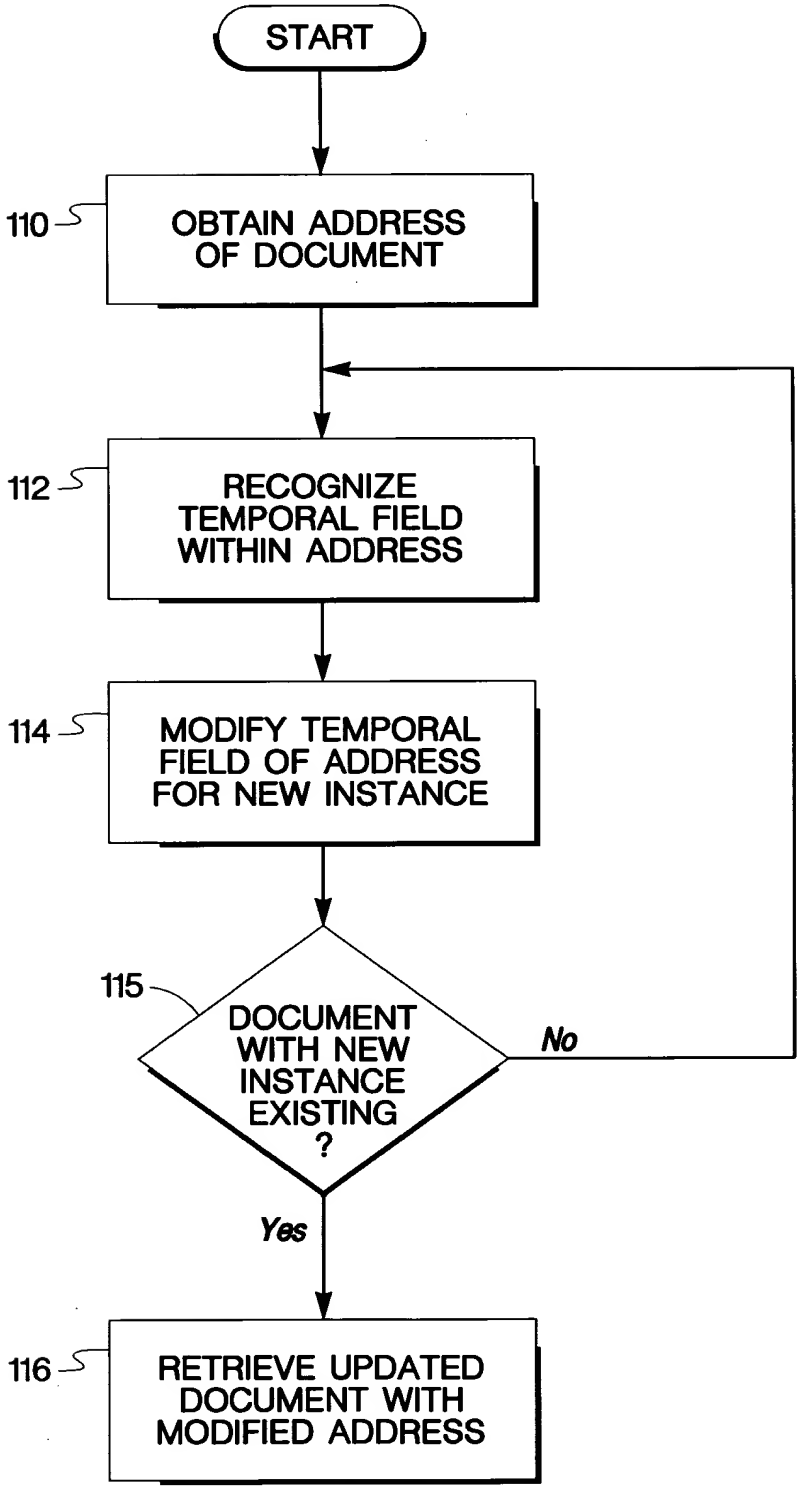

START
110
OBTAIN ADDRESS OF DOCUMENT
112
RECOGNIZE TEMPORAL FIELD WITHIN ADDRESS
114
MODIFY TEMPORAL FIELD OF ADDRESS FOR NEW INSTANCE
115
DOCUMENT WITH NEW INSTANCE EXISTING ?
No
Yes
116
RETRIEVE UPDATED DOCUMENT WITH MODIFIED ADDRESS

Fig. 2

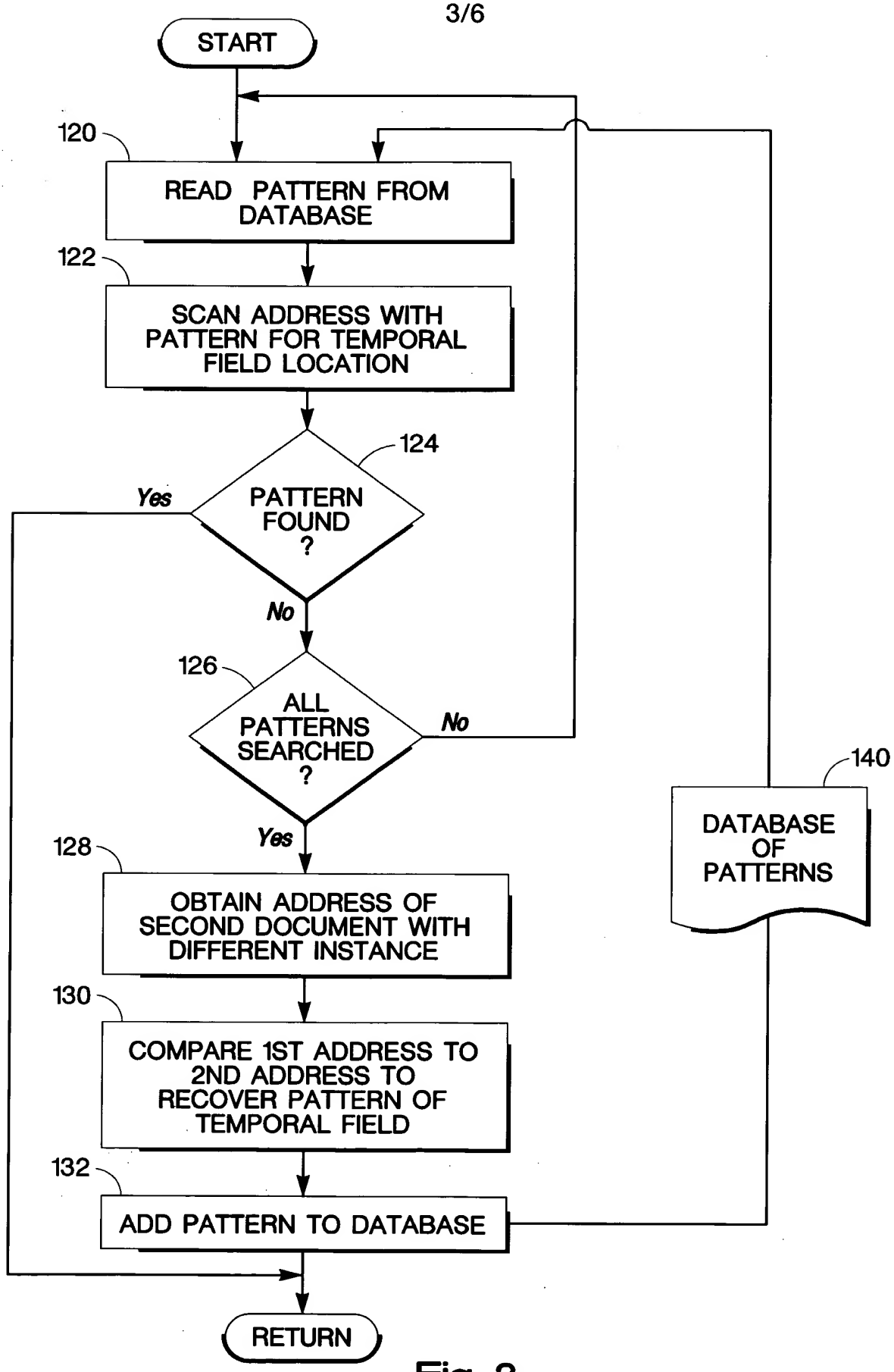

START
120
READ PATTERN FROM DATABASE
122
SCAN ADDRESS WITH PATTERN FOR TEMPORAL FIELD LOCATION
124
PATTERN FOUND ?
Yes
No
126
ALL PATTERNS SEARCHED ?
No
Yes
128
OBTAIN ADDRESS OF SECOND DOCUMENT WITH DIFFERENT INSTANCE
130
COMPARE 1ST ADDRESS TO 2ND ADDRESS TO RECOVER PATTERN OF TEMPORAL FIELD
132
ADD PATTERN TO DATABASE
140
DATABASE OF PATTERNS
RETURN

Fig. 3

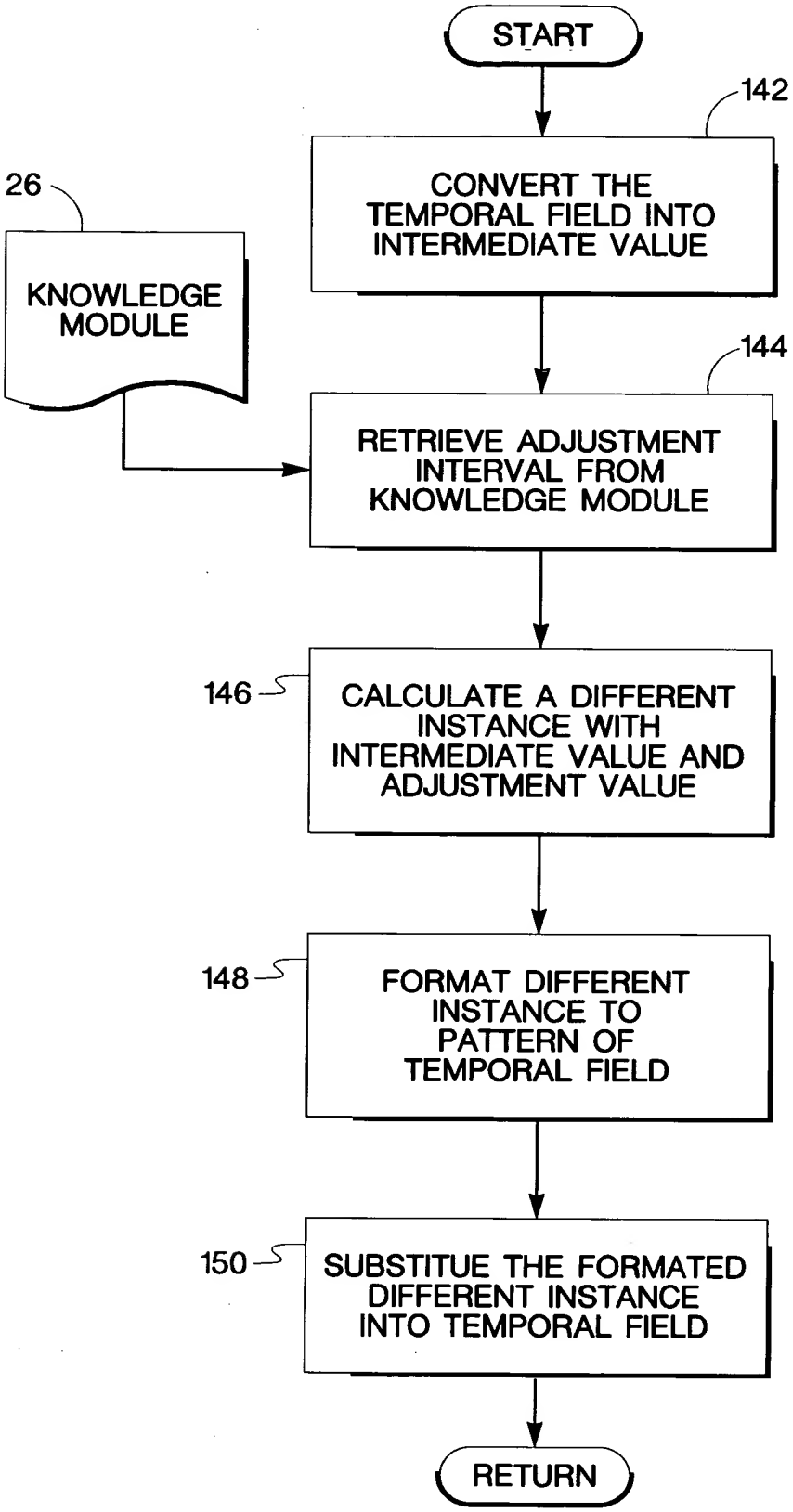

START
142
CONVERT THE TEMPORAL FIELD INTO INTERMEDIATE VALUE
26
KNOWLEDGE MODULE
144
RETRIEVE ADJUSTMENT INTERVAL FROM KNOWLEDGE MODULE
146
CALCULATE A DIFFERENT INSTANCE WITH INTERMEDIATE VALUE AND ADJUSTMENT VALUE
148
FORMAT DIFFERENT INSTANCE TO PATTERN OF TEMPORAL FIELD
150
SUBSTITUE THE FORMATED DIFFERENT INSTANCE INTO TEMPORAL FIELD
RETURN

Fig. 4

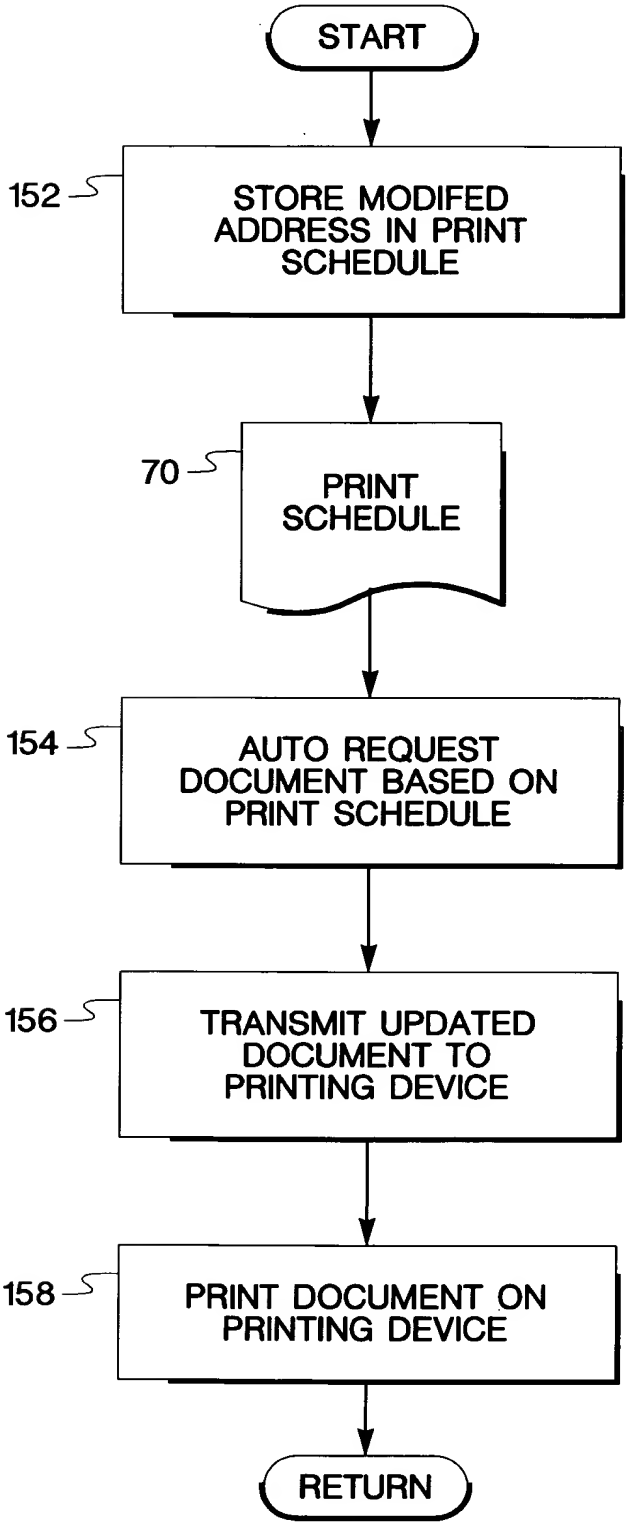
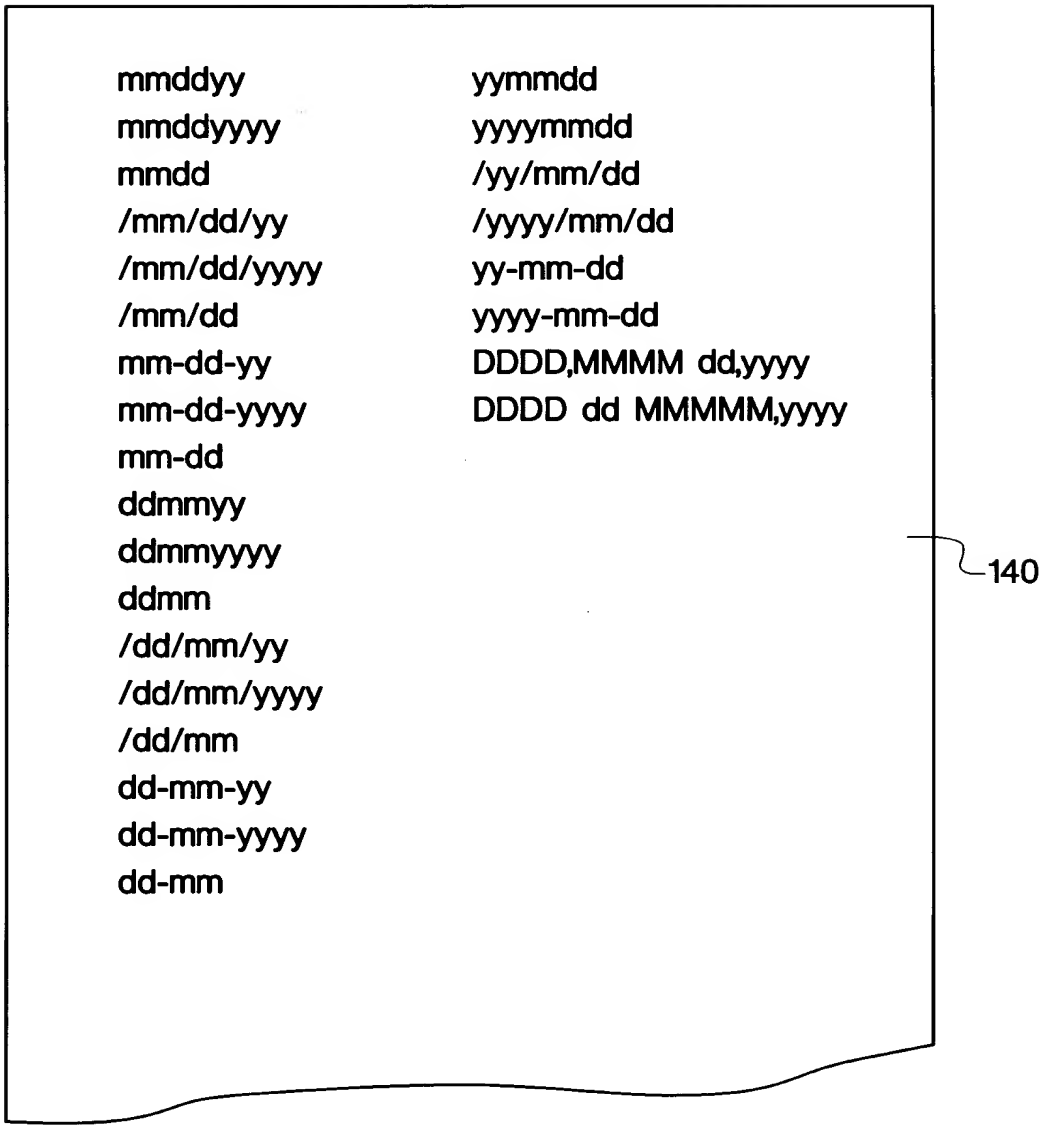

START
152
STORE MODIFED ADDRESS IN PRINT SCHEDULE
70
PRINT SCHEDULE
154
AUTO REQUEST DOCUMENT BASED ON PRINT SCHEDULE
156
TRANSMIT UPDATED DOCUMENT TO PRINTING DEVICE
158
PRINT DOCUMENT ON PRINTING DEVICE
RETURN

Fig. 5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140

Fig. 6